INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/37730

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : F02M 25/07 US CL : 123/568.21				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 123/568.11, 568.12, 568.21, 568.23. 568.24, 568.26, 568.27, 559.1; 60/605.2				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category * Citation of document, with indication, where appropriate, of the relevant passages				Relevant to claim No.
A US	A US 6,263,672 B1 (ROBY et al) 24 July 2001 (24.07.2001), column 10, line 35 through			1-17
A US	column 11, line 33. US 6,301,888 B1 (GRAY et al) 16 October 2001 (16.10.2001), column 4, line 65 through column 5, line 17.			1-17
A, E US			004), colu <u>mn</u> 4, line 66	1-17
			'	
Further do	cuments are listed in the continuation of Box C.		See patent family annex.	
* Specia	al categories of cited documents:	"T"	later document published after the in priority date and not in conflict with	the application but cited to
"A" document defi	ining the general state of the art which is not considered to ar relevance	-x-	understand the principle or theory u	derlying the invention
	"E" earlier application or patent published on or after the international filing		document of particular relevance; the considered novel or cannot be considered step when the document is taken along	dered to involve an inventive ne
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art		
"O" document referring to an oral disclosure, use, exhibition or other means		*&*	document member of the same paten	
-p- document published prior to the international filing date but later than the			0	
Date of the actual completion of the international search		Date of mailing of the international search report		
25 February 2005 (25.02.2005)		24 MAR XUO		
Name and mailing address of the ISA/US		Authorized officer		
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Form PCT/ISA/210 (second sheet) (January 2004)